AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

- 1-3. (Cancelled)
- 4. (Currently Amended) An electro-luminescence display device, comprising: electro-luminescence cells arranged in a matrix type at crossings of gate lines and data lines:

a supply voltage line that supplies a driving voltage to the electro-luminescence cells; driving circuits that control a current applied from the driving voltage of the supply voltage line to drive the electro-luminescence cells in response to video signals, wherein the driving circuits includes a first driving circuit and a second driving circuit which are formed at horizontal lines different from each other include a plurality of first driving thin film transistors driving each pixel of ith horizontal lines (wherein i is an integer) and a plurality of second driving thin film transistors connected to the gate lines GLe (wherein e = i-1, i+1, i+3...), wherein a gate terminal of each first driving thin film transistor is connected to a drain terminal of the respective second driving thin film transistor; and

a control circuits that apply applies the video signals to the first and second driving circuits, are is directly connected between the data line and the supply voltage line, and are is controlled by one of the gate lines GLo (wherein o = i, i+2, i+4...), and

wherein each of the control circuits includes a first control thin film transistor having a source terminal connected to the supply voltage line and a second control thin film transistor having a drain terminal connected to a gate terminal of the first control thin film transistor and having a source terminal connected to the data line the control circuit is positioned between the first driving circuit and the second driving circuit to control the first driving circuit and the second driving circuit.

5. (Currently Amended) The electro-luminescence display device according to claim 4, wherein <u>a</u> the first driving circuit is provided at the ith horizontal line (wherein i is an integer) to apply the current to the electro-luminescence cell positioned at the ith horizontal line, in response to a video signal from the control circuit controlled by the ith gate line, when a gate signal is applied to the (i-1)th gate line, and

a the second driving circuit is provided at the (i+1)th horizontal line to apply the current

to the electro-luminescence cell positioned at the (i+1)th horizontal line, in response to a video signal from the control circuit controlled by the ith gate line, when a gate signal is applied to the (i+1)th gate line.

6. (Cancelled)

- 7. (Original) The electro-luminescence display device according to claim 5, wherein the (i+1)th gate line is connected to a driving circuit provided at the (i+2)th horizontal line.
- 8. (Original) The electro-luminescence display device according to claim 5, wherein the (i-1)th gate line is connected to a driving circuit provided at the (i-1)th horizontal line.
- 9. (Currently Amended) The electro-luminescence display device according to claim 5, wherein the first driving circuits includes:
- a <u>the</u> first driving thin film transistor having a source terminal connected to the supply voltage line and a drain terminal connected to the electro-luminescence cell positioned at the ith horizontal line;
- a <u>the</u> second driving thin film transistor having a drain terminal connected to a gate terminal of the first driving thin film transistor, a source terminal connected to the control circuit and a gate terminal connected to the (i-1)th gate line; and
- a storage capacitor connected between the source terminal and the gate terminal of the first driving thin film transistor.
- 10. (Currently Amended) The electro-luminescence display device according to claim 5, wherein the second driving circuits includes:
- a the first driving thin film transistor having a source terminal connected to the supply voltage line and a drain terminal connected to the electro-luminescence cell positioned at the (i+1)th horizontal line;
- a the second driving thin film transistor having a drain terminal connected to a gate terminal of the first driving thin film transistor, a source terminal connected to the control circuit

and a gate terminal connected to the (i+1)th gate line; and

a storage capacitor connected between the source terminal and the gate terminal of the first driving thin film transistor.

- 11. (Currently Amended) The electro-luminescence display device according to claim 9 or 10, wherein the control circuit includes:
- a the first control thin film transistor having a source terminal connected to the supply voltage line and a drain terminal and a gate terminal connected to the source terminal of the second driving thin film transistor; and
- a <u>the</u> second control thin film transistor having a drain terminal connected to the gate terminal of the first control thin film transistor, a source terminal connected to the data line and a gate terminal connected to the ith gate line.
- 12. (Previously Presented) The electro-luminescence display device according to claim 11, wherein any one of the first and second control thin film transistors is provided at the ith horizontal line while the remaining control thin film transistor is provided at the (i+1)th horizontal line.
- 13. (Original) The electro-luminescence display device according to claim 11, further comprising:
- a gate driver for applying a gate signal having a turn-on potential during two horizontal periods to the gate lines.
- 14. (Original) The electro-luminescence display device according to claim 13, wherein a gate signal applied to the ith gate line overlaps a gate signal applied to the (i+1)th gate line during one horizontal period.
- 15. (Original) The electro-luminescence display device according to claim 13, wherein, if a gate signal is applied to the (i-1)th and ith gate lines, then the second driving thin film transistor connected to the (i-1)th gate line and the second control thin film transistor connected to the ith gate line are turned on; and

as the second control thin film transistor is turned on, a video signal from the data line is

applied to the first driving thin film transistor and the first control thin film transistor that are positioned at the ith horizontal line.

- 16. (Original) The electro-luminescence display device according to claim 15, wherein the first driving thin film transistor positioned at the ith horizontal line applies the current corresponding to the video signal to the electro-luminescence cell provided at the ith horizontal line.
- 17. (Original) The electro-luminescence display device according to claim 15, wherein the first control thin film transistor applies the current corresponding to the video signal from the supply voltage line to the data line.
- 18. (Original) The electro-luminescence display device according to claim 17, wherein a voltage corresponding to the current flowing in the first control thin film transistor is stored in the storage capacitor.
 - 19. (Currently Amended) An electro-luminescence display device, comprising: a plurality of pixels arranged in a matrix type;
 - a plurality of data lines that applies video signals to the pixels;
 - a plurality of gate lines crossing the data lines;
 - a supply voltage line that supplies a driving voltage to the electro-luminescence cells;
- driving circuits that applies a current corresponding to the video signals to the electroluminescence cells in response to the video signals, wherein the driving circuits includes a first driving circuit and a second driving circuit which are formed at horizontal lines different from each other include a plurality of first driving thin film transistors driving each pixel of ith horizontal lines (wherein i is an integer) and a plurality of second driving thin film transistors connected to the gate lines GLe (wherein e = i-1, i+1, i+3...), wherein a gate terminal of each first driving thin film transistor is connected to a drain terminal of the respective second driving thin film transistor; and

a control circuits that <u>apply</u> applies the video signals to the first and second driving circuits, <u>are</u> is directly connected between the data line and the supply voltage line and <u>are</u> is controlled by one of the gate lines <u>GLo</u> (wherein o = i, i+2, i+4...), and

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wherein each of the control circuits includes a first control thin film transistor having a source terminal connected to the supply voltage line and a second control thin film transistor having a drain terminal connected to a gate terminal of the first control thin film transistor and having a source terminal connected to the data line the control circuit is positioned between the first driving circuit and the second driving circuit to control to the first driving circuit and the second driving circuit.

20. (Original) The electro-luminescence display device according to claim 19, further comprising:

a gate driver for applying a gate signal having a turn-on potential during two horizontal periods to the gate lines.

- 21. (Original) The electro-luminescence display device according to claim 20, wherein a gate signal applied to the ith gate line (wherein i is an integer) overlaps a gate signal applied to the (i+1)th gate line during one horizontal period.
- 22. (Original) The electro-luminescence display device according to claim 21, wherein each of the driving circuits includes:

a first driving circuit provided at the ith horizontal line (wherein i is an integer) to apply the current to the electro-luminescence cell positioned at the ith horizontal line, in response to a video signal from the control circuit controlled by the ith gate line, when a gate signal is applied to the (i-1)th gate line; and

a second driving circuit provided at the (i+1)th horizontal line to apply the current to the electro-luminescence cell positioned at the (i+1)th horizontal line, in response to a video signal from the control circuit controlled by the ith gate line, when a gate signal is applied to the (i+1)th gate line.

23. (Original) The electro-luminescence display device according to claim 22, wherein one of the control circuits is positioned between the first driving circuit and the second driving circuit.

24-25. (Cancelled)